

Examination of the influences of daylight on the catchability of trammel nets used for catching Mullet in Izmir Bay

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In this study, trammel nets which has been used are shown in Fig. 1. The rooms of the net has been set towards shore. The quantities of mullet that have been caught during the night, dusk (between evening civil twilight-sunset) and dawn (morning civil twilight-sunrise time) can be seen in Table 1. As result, most of fish has been caught during the night migrations of mullet towards the shore. Therefore it has been considered that the beginning of catching period at evening civil twilight-sunset would be more effective.

Locality	Date	Amount of Mullet					
		Dusk	Down	Dusk	Night	Down	
Anghiya Burnu	4-9/12/1991	16.51-17.21	6.42-7.11	3	13	-	
				-	10	3	
				4	17	3	
Şevikler Azmak Onu	12-17/12/1991	16.51-17.21	6.45-7.12	6	22	2	
				2	14	-	
				5	9	-	
Kuşburnu	20-25/12/1991	16.52-17.21	6.45-7.12	5	12	2	
		16.53-17.22	6.47-7.10	3	23	-	
				-	19	-	
Çakılbaşı	26-30/1/1992	16.54-17.24	6.53-7.22	3	10	-	
		16.59-17.28	6.55-7.24	6	14	-	
				2	9	-	
Karaçukur ve Çalıbaşı Arası	5-11/1/1992	17.01-17.29	6.56-7.26	2	2	1	
		17.02-17.30	6.58-7.28	5	30	2	
				2	19	-	
Tuzla	16-19/1/1991	17.06-17.34	7.02-7.32	7	19	-	
		17.10-17.38	7.06-7.36	6	22	-	
				6	16	1	
Total for 34 catching days		17.15-17.43	7.12-7.42	4	11	-	
		17.17-17.45	7.14-7.44	3	13	1	
				5	19	4	
					5	26	5
					6	11	1
					121	579	30

Table 1. The catching efficiency of trammel nets as anchored bottom net for catching mullet.

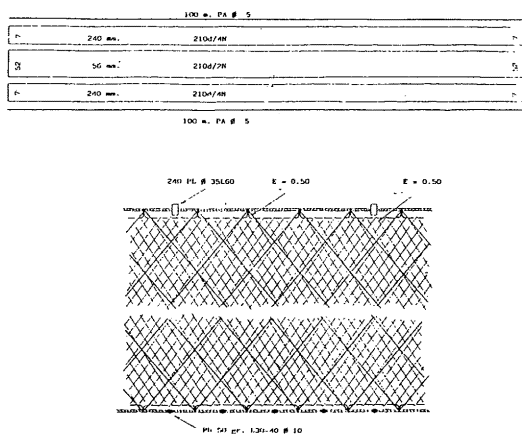


Fig.1 Trammel nets used for catching mullet.

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